MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES
#C - PERCOLATION TEST RESULTS EXERCISE #117

Property Owner _Preston Reed_____	Site Address __ 11373 Jefferson _____
Depth of Hole _ 24 _____inches	Test Hole Location __ South side of lot _____
Diameter of Hole __8_____inches	Date Holes Were Prepared ___ 4-28-10 _____
Depth to Restrictive Layer ___>48"_____	Time Holes Were Initially Filled __8:00 am
Type of Restrictive Layer _____NA _____	Date Test Performed ____ 4-29-10 _____
% Chert ___ _0%_____	Time Test Was Started ____8:30 am
Name of Tester ____ Al Trader _____	Tester ID No. ___ 21378 _____

Test Hole 1

Time	Interval (minutes)	Water Drop (fraction)	Water Drop (decimal)	Perc Rate
8:30	30	1/2"		
9:00	30		0.25	120
9:30	30		0.125	
10:00	30	1/4"		

Test Hole 2

Time	Interval (minutes)	Water Drop (fraction)	Water Drop (decimal)	Perc Rate
8:35	30	3/8"		
9:05	30	3/8"		
9:35	30	1/4"		
10:05	30	1/4"		

Test Hole 3

Time	Interval (minutes)	Water Drop (fraction)	Water Drop (decimal)	Perc Rate
8:40	30	5/8"		
9:10	30			45
9:40	30			60
10:10	30			120

Test Hole 4

Time	Interval (minutes)	Water Drop (fraction)	Water Drop (decimal)	Perc Rate
8:45	30			80
9:15	30			120
9:45	30	3/8"		
10:15	30			120

Show all calculations and diagrams of test hole locations on the back of this form.

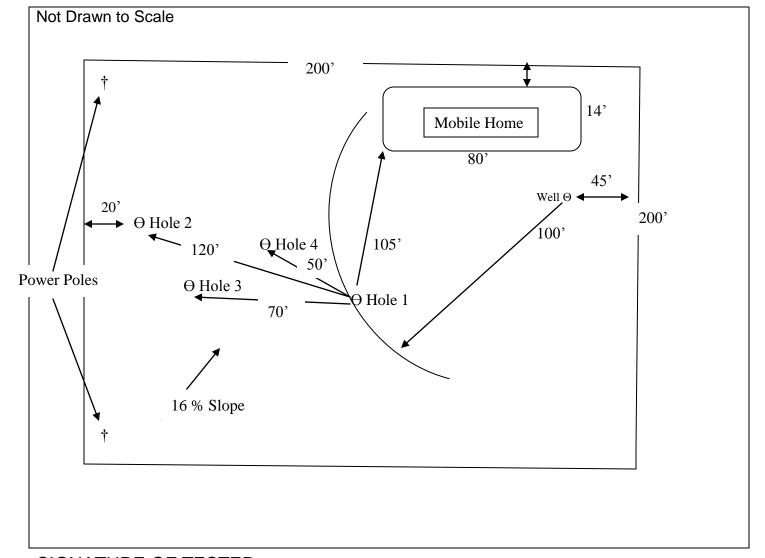Last   First   Middle Initial   ID Number

CALCULATIONS - #C - PERCOLATION TEST RESULTS EXERCISE #117

DIAGRAM OF TEST HOLE LOCATIONS

1. Locate building or proposed building site.

2. Locate all test holes with distances from the building.

3. Locate any existing well and neighbor's well.

4. Locate property lines and all setback requirements.

5. Locate geological and topographical features.

6. Give slope and show direction of slope.

Not Drawn to Scale

†

200'

Mobile Home

14'

80'

45'

Well Θ

200'

20'

Θ Hole 2

100'

120'

Θ Hole 4

105'

50'

Power Poles

Θ Hole 3

Θ Hole 1

70'

16 % Slope

†

SIGNATURE OF TESTER_____ _____

PERC TEST FOR PRESTON REED

1. The perc test holes were dug thirty (30) inches deep and six (6) inches in diameter. The sides were scratched and the loose material removed. Two (2) inches of ¾ inch gravel was placed in the bottom and the hole was filled with water, to a depth of twelve (12) inches and held for 4 hours.

   Was the preparation phase of the test properly done, and if it wasn't what was done wrong?   YES   NO

   _____
   _____

2. Fill in the blanks for the four test holes to complete the test results provided. This may mean determining the water drop as a fraction or a decimal or calculating the perc rate, etc.

3. The test should continue until three (3) consecutive percolation rates vary by a range of no more than ten (10) percent. Complete the table below and determine the percent variation for the readings.

Test Hole 1	Test Hole 2	Test Hole 3	Test Hole 4
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

   Was the test conducted until there was no more than ten (10) percent variation?   YES   NO

4. Which rate must be used to design the system?

5. What is missing from the site diagram?

   _____
   _____
   _____